

PTO/SB/08 Equivalent

INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application No.	10/801,931
		Filing Date	March 15, 2004
		First Named Inventor	Koller, et al.
		Art Unit	1657
(Multiple sheets used when necessary)		Examiner	Ralph J. Gitomer
SHEET 1 OF 6		Attorney Docket No.	ONCOSIS.007A

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
RG	1	US 2004/0180437 (App. No. 10/814,966)	09-16-2004	Koller et al.	
	2	Non-Final Office Action '966 App.	10-05-2006		
	3	Response '966 App.	11-02-2006		
	4	Non-Final Office Action '966 App.	1-31-2007		
	5	Response '966 App.	02-22-2007		
	6	Notice of Allowance '966 App.	06-04-2007		
	7	US 2005/0095578 (App. No. 10,698,343)	05-05-2005	Koller et al.	
	8	Office Action '343 App.	03-24-2005		
	9	Response '343 App.	04-22-2005		
	10	Office Action '343 App.	05-13-2005		
	11	Response '343 App.	11-14-2005		
	12	Office Action '343 App.	01-27-2006		
	13	Notice of Appeal '343 App.	07-27-2006		
	14	Pre-brief Conference Request '343 App.	07-27-2006		
	15	Pre-Brief Appeal Conference Decision '343 App.	09-06-2006		
	16	US 2003/0219892 (App. No. 10/359,483)	11-27-2003	Palsson et al.	
	17	Preliminary Amendment to '483 App.	09-22-2004		
	18	Restriction Requirement '483 App.	09-21-2005		
	19	Applicant Amendment '483 App.	10-20-2005		
	20	Non-Final Rejection '483 App.	07-21-2006		
	21	Amendment and Response '483 App.	11-03-2006		
	22	Final Office Action '483 App.	01-25-2007		
	23	Examiner Interview Summary '483 App.	04-26-2007		

Examiner Signature	RG Gitomer	Date Considered	7/10/07
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

T' - Place a check mark in this area when an English language Translation is attached.

PTO/SB/08 Equivalent

INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application No.	10/801,931
		Filing Date	March 15, 2004
		First Named Inventor	Koller, et al.
		Art Unit	1657
<i>(Multiple sheets used when necessary)</i>		Examiner	Ralph J. Gitomer
SHEET 2 OF 6		Attorney Docket No.	ONCOSIS.007A

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
RG	24	Amendment and Response '483 App.	06-25-2007		
	25	3,674,926	07/04/72	Dewey et al.	
	26	4,000,417	12-1976	Adkisson et al.	
	27	4,165,149	08-1979	Suzuki et al.	
	28	4,624,915	11/25/86	Schindler et al.	
	29	4,803,992	02/14/89	Lemelson	
	30	4,998,284	03-1991	Bacus et al.	
	31	5,031,089	07-1991	Kettler, Albrecht	
	32	5,053,693	10/01/91	Bohnert et al.	
	33	5,089,384	02/18/92	Hale	
	34	5,093,866	03-1992	Douglas-Hamilton et al.	
	35	5,103,660	04/14/92	Johnson	
	36	5,158,889	10/27/92	Hirako et al.	
	37	5,188,633	02/23/93	Kratzer et al.	
	38	5,202,230	04-13-1993	Kamentsky, Louis A.	
	39	5,257,182	10-1993	Luck et al.	
	40	5,272,081	12/21/93	Weinreb et al.	
	41	5,298,963	03/29/94	Moriya et al.	
	42	5,523,543	06/04/96	Hunter, Jr. et al.	
	43	5,422,720	06-06-1995	Berndt, Klaus W	
	44	5,785,703	07/28/98	Goodman et al.	
	45	5,874,266	02/23/99	Palsson	
	46	5,890,846	04/06/99	Clark et al.	
	47	5,952,651	09-1999	Morito et al.	
	48	6,005,256	12/21/99	McGlynn et al.	
	49	6,007,814	12/28/99	Scheinberg	
	50	6,040,139	03/21/00	Bova	
	51	6,122,396	09/19/00	King et al.	
	52	6,143,535	11/07/00	Palsson	

Examiner Signature	RG-Gitomer	Date Considered	7/10/07
--------------------	------------	-----------------	---------

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

T - Place a check mark in this area when an English language Translation is attached.

PTO/SB/08 Equivalent

INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application No.	10/801,931
		Filing Date	March 15, 2004
		First Named Inventor	Koller, et al.
		Art Unit	1657
(Multiple sheets used when necessary)		Examiner	Ralph J. Gitomer
SHEET 3 OF 6		Attorney Docket No.	ONCOSIS.007A

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
PG	53	6,148,096	11/14/00	Pressman et al.	
	54	6,215,892	04-2001	Douglass et al.	
	55	6,275,777	08-2001	Shimizu, Kotaro	
	56	6,298,264	10-02-2001	Zhong et al.	
	57	6,315,772	11-13-2001	Marchitto et al.	
	58	6,381,224	04/30/02	Lane et al.	
	59	6,424,863	07-23-2002	Flock, Stephen T.	
	60	6,514,722	02-2003	Palsson et al.	
	61	6,534,308	03-18-2003	Palsson et al.	
	62	6,753,161	06-22-2004	Koller et al.	
	63	6,842,018	11-04-2003	Koller et al.	
	64	7,129,070	10-31-2006	Palsson	
	65	7,132,289	11-07-2006	Kobayashi et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ¹
PG	66	EP 0 662 512	07/12/95	Europe		
	67	JP 63-259465	04/17/87	Japan		
	68	WO 89/01630	02/23/89	Nemeth et al.		
	69	WO 97/11156	03-27-1997	BOVA, G., Steven		
	70	WO 98/52016	11/19/98	Raz, Ryan S.		
	71	RU 2054486C1	02-20-1996	PETUKHOV VALERIJ		

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T ¹
PG	72	ANDERSEN et al., "Failure of immunologic purging in mantle cell lymphoma assessed by polymerase chain reaction detection in minimal residual disease," Blood, 90: 4212-4221 (1997)				

Examiner Signature	R. Gitomer	Date Considered	7/16/07
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

T¹ - Place a check mark in this area when an English language Translation is attached.

PTO/SB/08 Equivalent

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Multiple sheets used when necessary)</i>		Application No.	10/801,931
		Filing Date	March 15, 2004
		First Named Inventor	Koller, et al.
		Art Unit	1657
(Multiple sheets used when necessary)		Examiner	Ralph J. Gitomer
SHEET 4 OF 6		Attorney Docket No.	ONCOSIS.007A

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
RG	73	BORTH et al., "Efficient Selection of High-Producing Subclones During Gene Amplification of Recombinant Chinese Hamster Ovary Cells by Flow Cytometry and Cell Sorting," <i>Institute for Applied Microbiology</i> pgs. 266-273 (2001).	
	74	BREZINSKY et al. "A Simple Method for Enriching Populations of Transfected CHO Cells for Cells of Higher Specific Productivity", <i>Journal of Immunological Methods</i> 277 (2003) 141-155.	
	75	BRITTBURG et al., "Treatment of deep cartilage defects in the knee with autologous chondrocyte transplantation," <i>N.E.J.Med.</i> , 331: 889-895 (1994)	
	76	BROCKSTEIN et al., "Tumor cell contamination of bone marrow harvest products: Clinical consequences in a cohort of advanced-stage breast cancer patients undergoing high-dose chemotherapy," <i>J. Hematotherapy</i> , 5: 617-624 (1996)	
	77	BRUGGER et al., "Mobilization of Tumor Cells and Hematopoietic Progenitor Cells Into Peripheral Blood of Patients with Solid Tumors," <i>Blood</i> , 83: 636-640 (1994)	
	78	CAMPANA et al., "Detection of Minimal Residual Disease in Acute Leukemia: Methodological Advances and Clinical Significance," <i>Blood</i> , 85: 1416-1434 (1995)	
	79	CHERLET et al., "Surface IgG Content of Murine Hybridomas: Direct Evidence for Variation of Antibody Secretion Rates During the Cell Cycle" <i>Biotechnology and Bioengineering</i> , Vol. 47, pp. 535-540 (1995).	
	80	CHUTE et al., "Analysis of the steady-state dynamics organelle motion in cultured neurites," <i>Clin Exp Pharmco Physiol</i> , 22: 360 (1995)	
	81	COSSMAN et al., "Reed-Sternberg cell genome expression supports a B-cell lineage," <i>Blood</i> , 94: 411-416 (1999)	
	82	DEISSEROOTH et al., "Genetic marking shows that Ph ⁺ cells present in autologous transplants of chronic myelogenous leukemia (CML) contribute to relapse after autologous bone marrow in CML," <i>Blood</i> , 83: 3068-3076 (1994)	
	83	ELBASHIR et al. "Duplexes of 21-nucleotide RNAs mediate RNA interference in cultured mammalian cells." <i>Nature</i> , 411: 494-498 (2001).	
	84	FIELDS et al., "Clinical significance of bone marrow metastases as detected using the polymerase chain reaction in patients with breast cancer undergoing high-dose chemotherapy and autologous bone marrow transplantation," <i>J. Clin. Oncol.</i> , 14: 1868-1876 (1996)	
	85	GEE, Adrian P., "Part 5: Autologous Bone Marrow Purging," <i>Bone Marrow Processing and Purging</i> , 248-328 (1991)	
	86	GRAY et al. "Secretion capture and report web: use of affinity derivatized agarose microdroplets for the selection of hybridoma cells" <i>Journal of Immunological Methods</i> 182 (1995) 155-163.	
	87	GREER et al., "A Clonogenic Culture Method for the Identification of Breast Cancer Cells in Marrow Aspirates of Patients Receiving High-Dose Chemotherapy," <i>Blood</i> , 88: 252a, Abstract 996, 439-II (1996)	
	88	GRIBBEN et al., "Immunologic purging of marrow assessed by PCR before autologous bone marrow transplantation for B-cell lymphoma," <i>N.E.J. Med.</i> , 325: 1525-1533 (1991)	

Examiner Signature	RG GITOMER	Date Considered	7/10/07
--------------------	------------	-----------------	---------

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

T¹ - Place a check mark in this area when an English language Translation is attached.

PTO/SB/08 Equivalent

INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application No.	10/801,931
(Multiple sheets used when necessary)		Filing Date	March 15, 2004
		First Named Inventor	Koller, et al.
		Art Unit	1657
SHEET 5 OF 6		Examiner	Ralph J. Gitomer
		Attorney Docket No.	ONCOSIS.007A

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ¹
RG	89	GULATI et al., "Rationale for Purging in Autologous Stem Cell Transplantation," <i>Journal of Hematology</i> , 2: 467-471 (1993)		
	90	HAN et al. "Quantum-dot-tagged microbeads for multiplexed optical coding of biomolecules." <i>Nat.Biotech.</i> , 19: 631-635 (2001).		
	91	HANANIA et al. "Automated In Situ Measurement of Cell-Specific Antibody Secretion and Laser-Mediated Purification for Rapid Cloning of Highly-Secreting Producers" <i>Wiley InterScience</i> .(2005) 872-876		
	92	HUANG et al., "Symmetry of initial cell divisions among primitive hematopoietic progenitors is independent of ontogenetic age and regulatory molecules," <i>Blood</i> , 94: 2595-2604 (1999)		
	93	JASUJA et al., "Chemotactic responses of <i>Escherichia coli</i> to small jumps of photoreleased L-aspartate," <i>Biophysical Journal</i> , 76: 1706-1719 (1999)		
	94	KOLLER et al., "Tissue Culture Surface Characteristics Influence the Expansion of Human Bone Marrow Cells," <i>Biomaterials</i> , 19: 1963-1972 (1998)		
	95	KURATA et al. "The laser method for efficient introduction of foreign DNA into cultured cells." <i>Exp.Cell Res.</i> , 162: 372-378 (1986).		
	96	LANGER et al., "The challenges ahead," <i>Sci. Am.</i> , 280: 86-89 (1999)		
	97	LAZARUS et al., "Does <i>In Vitro</i> Bone Marrow Purging Improve the Outcome after Autologous Bone Marrow Transplantation?," <i>Journal of Hematology</i> , 2: 457-466 (1993)		
	98	LYDAKI et al., "Merocyanine 540 mediated photolysis of normal bone marrow, committed hemopoietic progenitors and neoplastic cells. Implications for bone marrow purging," <i>Leukemia Research</i> , 21: 641-650 <i>NO DATE GIVEN</i>		
	99	LYDAKI et al., "Merocyanine 540 mediated photoirradiation of leukemic cells. In vitro inference on cell survival," <i>Journal of Photochemistry and Photobiology B: Biology</i> , 32: 27-32 (1996)		
	100	MEILHOC et al., "Application of Flow Cytometric Measurement of Surface IgG in Kinetic Analysis of Monoclonal Antibody Synthesis and Secretion by Murine Hybridoma Cells", <i>Journal of Immunological Methods</i> , 121 (1989) 167-174		
	101	MILLER et al., "Rapid Killing of Single Neurons by Irradiation of Intracellular Injected Dye," <i>Science</i> , 206: 702-704 (1979)		
	102	NIEMZ, M. H., "Laser-tissue interactions: Fundamentals and applications," Springer-Verlag, (1996)		
	103	NILIUS et al. "A novel type of cardiac calcium channel in ventricular cells." <i>Nature</i> , 316: 443-6 (1985)		
	104	OH et al., "Phototoxicity of the Fluorescent Membrane Dyes PKH2 and PKH26 on the Human Hematopoietic KG1a Progenitor Cell Line," <i>Cytometry</i> , 36: 312-318 (1999)		
	105	PEDERSEN, R. A., "Embryonic stem cells for medicine," <i>Sci. Amer.</i> , 280: 68-73 (1999)		
	106	Photonic Instruments, Inc.; Micro Point-Laser System for Bio-Medical and Life Sciences; Product Information Sheet, Apr. 1996		

Examiner Signature	RG GITOMER	Date Considered	7/10/07
--------------------	------------	-----------------	---------

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

T¹ - Place a check mark in this area when an English language Translation is attached.

PTO/SB/08 Equivalent

INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application No.	10/801,931
(Multiple sheets used when necessary)		Filing Date	March 15, 2004
		First Named Inventor	Koller, et al.
		Art Unit	1657
SHEET 6 OF 6		Examiner	Ralph J. Gitomer
		Attorney Docket No.	ONCOSIS.007A

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
120	107	RILL et al., "Direct Demonstration that Autologous Bone Marrow Transplantation for Solid Tumors Can Return a Multiplicity of Tumorigenic Cells," <i>Blood</i> , 84: 380-383 (1994)	
	108	ROWLEY, SCOTT D., "Pharmacological Purging of Malignant Cells; Bone Marrow Transplantation," <i>Boston-Blackwell Scientific Publications</i> , 164-178 (1994)	
	109	SAGI et al. "Gene delivery into prostate cancer cells by holmium laser application." <i>Prostate Cancer and Prostatic Diseases</i> , 6: 127-130 (2003).	
	110	SCHULZE et al., "Tumor cell contamination of peripheral blood stem cell transplants and bone marrow in high-risk breast cancer patients," <i>Bone Marrow Transplant.</i> , 19: 1223-1228 (1997)	
	111	SCHUTZE et al., "Identification of expressed genes by laser-mediated manipulation of single cells," <i>Nature Biotechnol.</i> , 16: 737-742 (1998)	
	112	SHARP et al., "Significance of detection of occult Non-Hodgkin's Lymphoma in histologically uninvolved bone marrow by a culture technique, <i>Blood</i> , 79: 1074-1080 (1992)	
	113	SHARP et al., "Outcome of high-dose therapy and autologous transplantation in non-Hodgkin's lymphoma based on the presence of tumor in the marrow or infused hematopoietic harvest," <i>J. Clin. Oncol.</i> , 14: 214-219 (1996)	
	114	SHIRAHATA et al. "New technique for gene transfection using laser irradiation." <i>J.Invest.Med.</i> , 49: 184-190 (2001).	
	115	TAO et al. "Direct gene transfer into human cultured cells facilitated by laser micropuncture of the cell membrane." <i>PNAS</i> , 84: 4180-4184 (1987).	
	116	THEOCHAROUS et al., "The Detection and Genetic Analysis of Low Frequency Epithelial Tumor Cells in Patients with Breast Cancer," <i>Blood</i> , 88: 252a, Abstract 998, 441-II (1996)	
	117	THOMAS et al., "Direct Purging of Breast Carcinoma Cells with Anti-CD24 and/or Anti-Breast Carcinoma Antibodies Using a Novel Immunomagnetic Cell Depletion System," <i>Blood</i> , 88: 252a, Abstract 997, 440-II (1996)	
	118	TIRLAPUR et al. "Targeted transfection by femtosecond laser." <i>Nature</i> , 418: 290-291 (2002).	
	119	TSUKAKOSHI et al. "A novel method of DNA transfection by laser microbeam cell surgery." <i>Appl. Phys. B</i> , 35: 135-140 (1984).	
	120	VANNUCCHI et al., "Evaluation of breast Tumor cell contamination in the bone marrow and leukapheresis collections by RT-PCR for cytokeratin-19 mRNA," <i>Br. J. Haematol.</i> , 103: 610-617 (1998)	
	121	VERVOORDELDONK et al., "PCR-positivity in harvested bone marrow predicts relapse after transplantation with autologous purged bone marrow in children in second remission of precursor B-cell acute leukemia, <i>Br. J. Haematol.</i> , 96: 395-402 (1997)	
	122	VREDENBURGH et al., "The significance of tumor contamination in the bone marrow from high-risk primary breast cancer patients treated with high-dose chemotherapy and hematopoietic support," <i>Biol. Blood Marrow Transplant.</i> , 3: 91-97 (1997)	
	123	International Search Report from PCT/US01/07506	2001
	124	International Search Report from PCT/US00/32742	2001

3935406:062707/Jade

Examiner Signature	120 J. GITOMER	Date Considered	7/10/07
--------------------	----------------	-----------------	---------

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ - Place a check mark in this area when an English language Translation is attached.